

Aaron Reardon County Executive

3000 Rockefeller Ave., **M**/S 607 Everett, WA 98201 – 4**0**46

(425) 388-3488 FAX (425) 388-6449

May 11, 2011

Ryan Ike FEMA Region X 130 228th Street, SW Bothell, WA 98021-9796

RE: Appeal of Preliminary DFIRMs Snohomish County, WA issued September 29, 2010.

Dear Mr. Ike,

The purpose of this letter is to appeal the preliminary Digital Flood Insurance Rate Maps (DFIRM) issued on September 29, 2010. There are several areas of interest, but the most serious concern is the Startup area. The preliminary DFIRM proposes to increase the base flood elevation in expanded areas around Startup. After considering the current status, concerns of the community, and pending changes in FEMA policy regarding levee analysis, Snohomish County hereby appeals the preliminary DFIRM.

We believe that the newly mapped portions of the Startup area should remain outside the floodplain based on the following and other information:

- The BNSF Railroad (Railroad) provides flood protection and was included in the original Corps of Engineers Flood Control project in the 1960's.
- The hydraulic modeling shows the Railroad to provide ample freeboard.
- The railroad has endured many large floods including the 2006 flood which was almost identical
 to a 100 year flood, with no flooding in the newly mapped portion of Startup according to area
 residents.
- The railroad provides intensive on-going maintenance of their embankment, assuring the risk of failure to be very low.

Please find attached a report and additional documentation describing the Startup Flood Control Project in Appendix A. The Corps documentation of the Startup Project will be sent electronically.

In addition, we understand that Craig Fugate, FEMA Federal Administrator, has informed Congress on March 10th that FEMA will be developing new procedures and policies on these types of problems. While we understand that those procedures have not yet been developed, we sincerely trust that those procedures will provide more realistic scenarios to reflect the real world situations such as the effective flood protection provided by the Railroad. Even without the new policies in place, we believe based on

review of the original Corps Project, there is more than ample technical information to continue certifying the flood protection provided by the Startup levee and Railroad Embankment.

Other areas potentially affected by the revised policy on levee analysis include, but are not limited to, the railroad embankment and US2 in the vicinity of Fern Bluff and the Snohomish River levee system including French Slough Flood Control District. We feel that the revised guidance should be considered throughout the County to ensure fair and equitable administration of FEMA policy to all areas affected by levees.

Please find attached in Appendix B comment forms and summaries of comments submitted electronically to Snohomish County during the 90-day review of the preliminary DFIRMs. We have reviewed the comments and have provided our recommendations where appropriate. Additional comments from County staff are included as Appendix C.

We look forward to working with you to produce the most accurate and reliable flood maps possible in a timely manner. Please contact Chris Nelson at 425-388-3464 ext. 4696 if you need further information regarding this matter.

Sincerely,

Steve Thomsen, P.E. Public Works Director

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Snohomish County

Appendix A

<u>Summary Report – Appeal of the Preliminary DFRIM Maps in Startup Washington base on the Corps of Engineers Project: Flood Control Improvement s, Skykomish River – Wallace River, Startup Washington.</u>

Prepared by: Chris Nelson, P.E. and John Engel, P.E

Introduction:

The area of appeal is shown on the attached map, Figure 1.

The Skykomish River – Wallace River Project, Startup, Washington (the Project) was constructed by the Corps of Engineers in 1965. In 1969 the Project was modified to construct a "training levee". The primary Project is a 7,000 foot long levee (the Startup Levee) constructed parallel to the Great Northern Railroad (railroad), now owned by Burlington Northern and Santa Fe Railway Company, tying into the railroad embankment on the upstream and downstream ends. This Project was designed to prevent Skykomish River flooding into the Wallace River and adjacent community of Startup.

This memo summarizes and references reports and data that clearly demonstrate that the Corps of Engineers evaluated the flood protection characteristics of the Great Northern Railroad Embankment, designed and constructed two improvements to the embankment and intended the railroad embankment to be part of the overall flood protection system including the Startup Levee.

Information is provided in the following areas:

- 1. Project Design documents including:
 - a. Geotechnical evaluation of the railroad embankment
 - b. Engineering design drawings that documents the inclusion of the railroad
 - c. Expectations for maintenance;
- 2. Hydraulic modeling completed for the recent FEMA maps that show significant freeboard well above the minimum;
- 3. BNSF Maintenance practices;
- 4. County Maintenance practices; and
- 5. Recent large flood events that show the railroad provided the flood protection expected.

Geotechnical Evaluation of the Railroad Embankment

It is clear from reviewing the Corps of Engineer's design documents (Wallace River at Startup Washington, Detailed Project Report on Flood Control, U.S. Army Engineer District, Seattle Corps of Engineers, 20 May, 1964) that the railroad embankment downstream from the end of the Startup Levee for about 1.5 miles was included in the flood protection system for the Corps' Project. Geotechnical evaluation of the embankment included field sampling of soils in and adjacent to the embankment to assure the embankment would prevent seepage and was stable to withstand a flood. The Detailed Project Report (Page 5, Paragraph 9.e(2)) identified two sections between station 1369 + 00 to station

1374 + 30; and station 1405 + 50 to 1411 + 20 that required some enforcement on the landward side of the levee. These two repair sites were included in the original project construction (See plate 4, Appendix VIII, *Operation and Maintenance Manual, Flood Control Improvements Skykomish River-Wallace River, Startup Washington,* transmitted 25 Nov, 1969).

In a letter dated Nov. 2nd, 1964, Great Northern Railway Company approved the plan referencing the "Report of Effect on Great Northern Railway Embankment of the Flood Control Project for Wallace River Levee at Statrtup Washington, 20 August 1964. The letter goes on to say that they will enter into agreement with the County.

The Detailed Project Report summarizes the investigations of the Corps looking at the geotechnical characteristic of the Railroad embankment. They also looked at the practices of the railroad in rocking or rip rapping the railroad embankment in those locations where it was adjacent to the Skykomish river channel susceptible to erosion. Paragraph 9 of this report – Foundation and Materials Investigations, discusses the testing and evaluation of the RR embankment. The concluding paragraph 9.h indicates that the Corps chose the location of the levee and where it ties into the railroad to avoid problem areas upstream of bridge 440. This paragraph goes on to say:

"There will be no problem at this tie. The railway embankment downstream of the project will be reinforced at two critical areas shown on plate 6. Existing riprap on the railway embankment downstream of this project precludes the chance of erosion between bridges 441 and 444."

In summary, the Corps evaluated the railroad embankment, made improvements in two locations and included the railroad embankment as part of the flood protection project – effectively considering it a levee.

Hydraulic Modeling and Freeboard

The Detailed Project Report (pg. 5) indicates that "The levee top elevation was established at the bottom of the railroad ballast and is in agreement with the desires of officials of the great Northern Railway. It is estimated that the recommended levee will protect against a flood having a frequency of 50 years (120,000 cfs) with a 3-foot freeboard." In 2007 the Startup Levee portion of the Project was evaluated by the Corps and found to meet the design, construction, maintenance and freeboard requirements for protection against the base flood. In a letter dated January 23, 2007, the Corps recommended that the "Flood Insurance Rate Maps should be updated to reflect the 100-year level of protection provided by this levee." The hydraulic analysis conducted for the Upper Skykomish River Flood Insurance Study (the Study) found that the minimum freeboard for the levee was 3.32 feet. This meets the minimum three foot freeboard requirement to maintain certification.

Comparison of the railroad grade elevation extracted from the topographic data used for the Study indicates that approximately 5 to 9 feet of freeboard exists along the railroad between the Startup Levee and Wallace River. Freeboard calculations (Table 1) and a profile plot (Figure 2) are attached.

BNSF Maintenance Practices

Discussions with BNSF indicate that the Railroad provides significant inspection and maintenance of their embankment at least equal to what would be required for assuring the embankment provides the continued flood protection provided by the Corps Project. The Railroad maintains the embankment according to standards set by the Federal Railway Administration.

DETAILS PENDING FROM BNSF

County Maintenance of the Startup Levee

Snohomish County staff inspects and maintains the Startup levee annually. In the past, the annual Corps inspections have resulted in a Minimally Acceptable rating for the system, with suggestions to reduce unwanted vegetation along the levee. In 2010, HDR/Jones & Stokes Joint Venture, under contract to the Seattle District Corps of Engineers, prepared a Periodic Inspection Report for the Startup Levee System – Primary, October 2010. The Levee was found to have no safety issues but had system deficiencies consisting of unwanted vegetation and encroachments.

In 2007, at the request of the County and FEMA, during the development of the Upper Skykomish FIS Mapping project, the Corps inspected the Startup Levee and recertified the levee to be included in the FEMA National Flood Insurance Program. (Letter to Dave Lucas, 1/23/2007)Recent Flood History

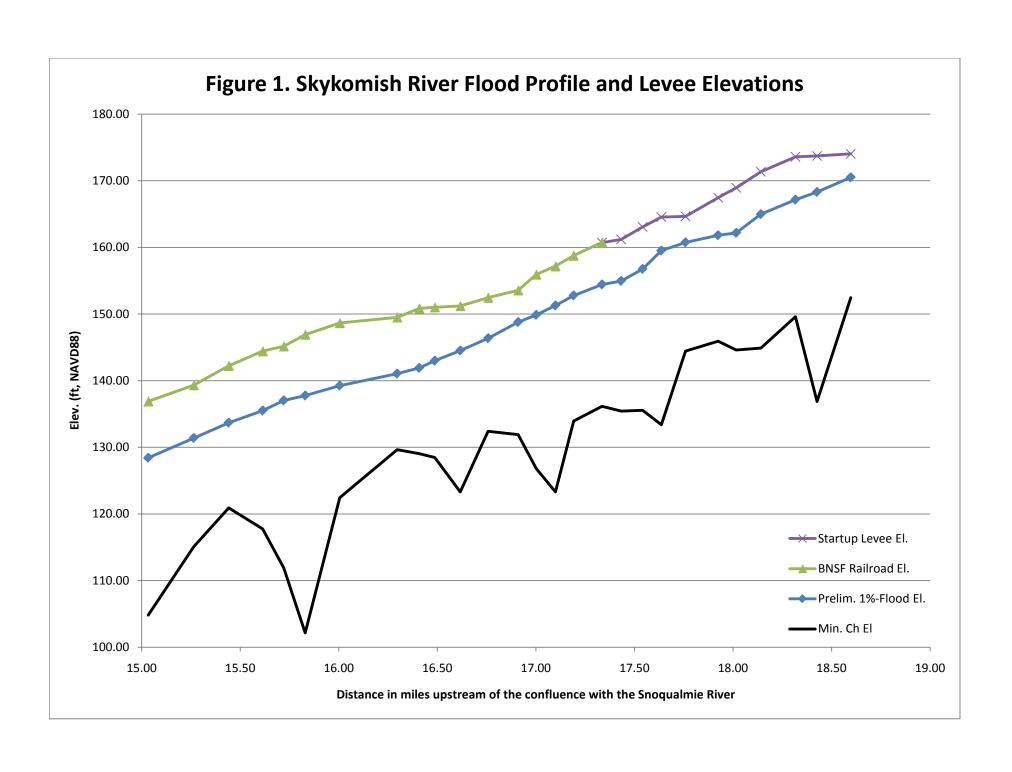
The ten largest floods recorded on the Skykomish River at the USGS Gold Bar gage are listed in Table 2:

		Stage	Peak Flow
	Date	(ft)	(cfs)
1	11/6/2006	24.51	129,000
2	11/24/1990	22.49	102,000
3	12/26/1980	21.34	90,100
4	12/21/1933	21.28	88,700
5	10/20/2003	20.73	86,500
6	2/26/1932	20.70	83,300
7	11/29/1995	20.24	80400
8	11/23/1959	20.20	78800
9	11/23/1986	19.90	76500
10	12/3/1975	19.85	76600

Seven of these events have occurred since construction of the Startup Levee in 1965. Two of the highest flows at this location occurred within the last twenty years: 102,000 cfs recorded on November 24, 1990, and 129,000 cfs recorded on November 6, 2006. According to area residents, no inundation or damage has occurred in Startup for the above mentioned floods.

Conclusions

Based on a review of the Corps project, we believe there is clear documentation that shows the Railroad Embankment and Startup Levee was intended to act as a coordinated flood protection system — in effect the Railroad provided the same benefit that a certified levee. The additional information provided here on hydraulic modeling, freeboard, historical flood events and maintenance practices, all support the continued certification of the Startup Project. Additional supporting documentation is provided electronically. We look forward to continued discussions with FEMA as you consider this request. Additional information will be provided as it becomes available. We also recommend including the Corps of Engineers in your review since they were the agency that constructed the Startup Project and have certified the levee for many years.



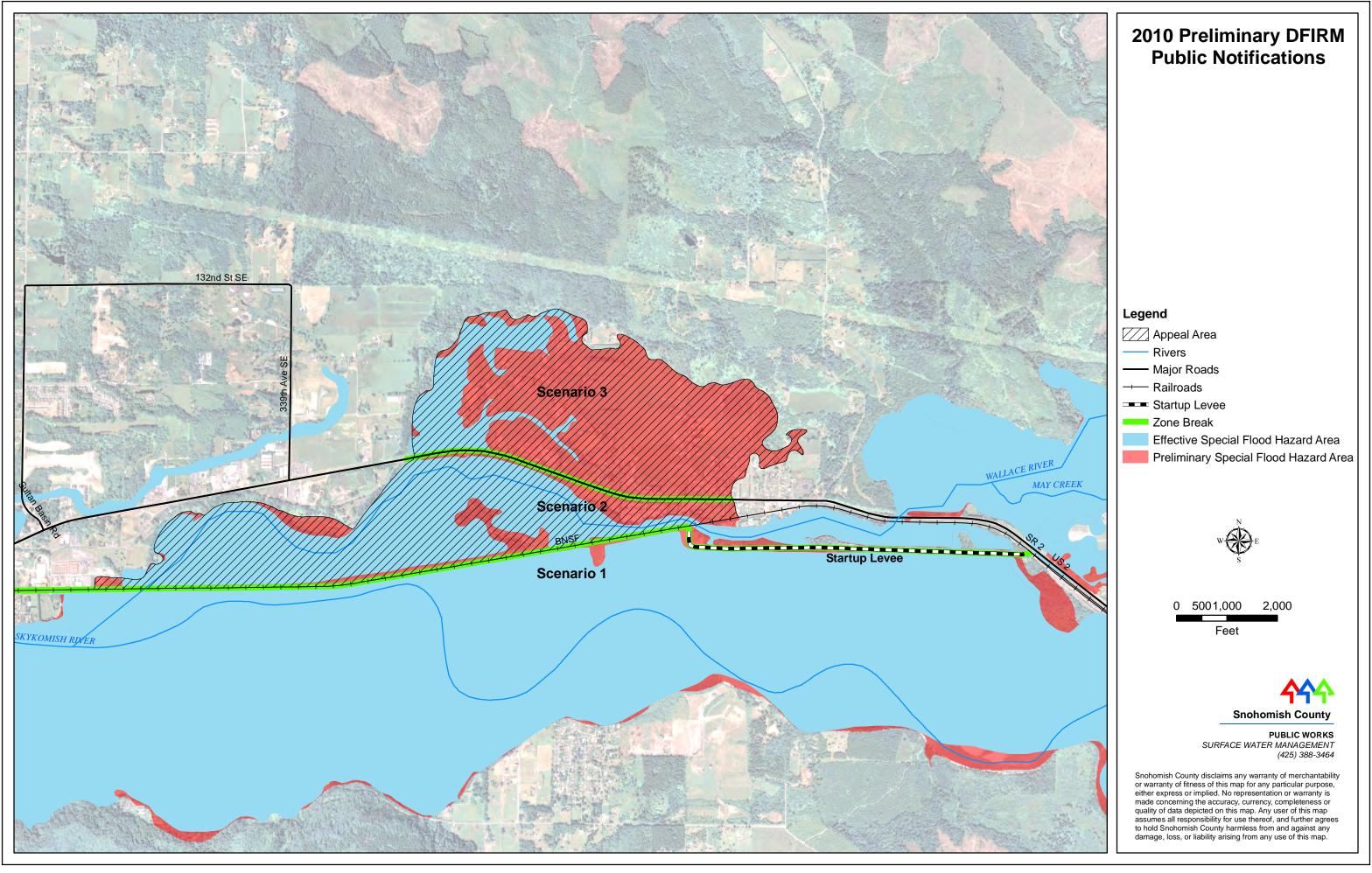


Table 1. Freeboard calculations for Startup Levee and BNSF Railroad

					1% Chnc		Startup	
					Flood	Railroad	Levee	
	Cross		River	Profile	Elev. ⁵	Grade	Elev. ⁷	
	Section	River	Station ³	Station ⁴	(ft,	Elev. ⁶ (ft,	(ft,	Freeboard
Location	Letter ¹	Mile ² (mi)	(ft)	(ft)	NAVD88)	NAVD88)	NAVD88)	(ft)
Begin Startup Levee	CX	18.60	55,310	98,194	170.50		174.03	3.53
	CW	18.43	54,408	97,292	168.31		173.72	5.41
	CV	18.32	53,829	96,713	167.15		173.59	6.44
	CU	18.14	52,904	95,788	164.98		171.35	6.37
	СТ	18.02	52,243	95,127	162.17		168.95	6.78
	CS	17.92	51,757	94,641	161.81		167.46	5.65
	CR	17.76	50,884	93,768	160.74		164.66	3.92
	CQ	17.64	50,235	93,119	159.51		164.55	5.04
	СР	17.54	49,735	92,619	156.75		163.06	6.31
	CO	17.43	49,159	92,043	154.95		161.20	6.25
End Startup Levee	CN	17.34	48,648	91,532	154.43	160.76	160.70	6.27
	CM	17.19	47,886	90,770	152.77	158.77		6.00
	CL	17.10	47,401	90,285	151.27	157.17		5.90
	CK	17.00	46,886	89,770	149.85	155.93		6.08
	CJ	16.91	46,402	89,286	148.78	153.56		4.78
	CI	16.76	45,597	88,481	146.36	152.46		6.10
	CH	16.62	44,851	87,735	144.51	151.20		6.69
	CG	16.49	44,168	87,052	142.98	151.02		8.04
	CF	16.41	43,751	86,635	141.90	150.84		8.94
	CE	16.30	43,159	86,043	141.05	149.50		8.45
	CD	16.00	41,621	84,505	139.24	148.65		9.41
	CC	15.83	40,697	83,581	137.75	146.91		9.16
	СВ	15.72	40,122	83,006	137.02	145.15		8.13
_	CA	15.61	39,558	82,442	135.50	144.42		8.92
	BZ	15.44	38,646	81,530	133.68	142.22		8.54
	BY	15.26	37,710	80,594	131.38	139.32		7.94
Confl. w/ Wallace R.	BX	15.03	36,491	79,375	128.41	136.89		8.48

Notes:

- 1. Cross Section Letters as noted on preliminary DFIRM dated 9-29-2010
- 2. River Mile measured in miles upstream of the confluence with the Snoqualmie River.
- 3. River Station from HEC-RAS model developed for Upper Skykomish River Flood Insurance Study.
- 4. Profile Station as noted on preliminary FIS profile dated 9-29-2010.
- 5. Skykomish River 1%-Annual Chance Water Surface Elevation as noted in Floodway Data Table in preliminary FIS dated 9-29-2010.
- 6. Railroad Grade Elevation from LiDAR digital elevation model (2003).
- 7. Startup Levee Elevation surveyed by Snohomish County Public Works (2007).

Appendix B

2010-10-28

Paul T. Ferguson, 21959 Oak Way, Brier, Washington 98036

"Your assistance in suspending this review process until a proper impact study is completed and communicated to effected property owners is requested.

If this makes no change to the value of my property or my insurance costs, I am fine with the revision, however, knowing the multiple "unintended consequences of the hand of Government" I am suspicious. This is coupled with my firsthand experience with the topography of this neighborhood. The proposed maps indicate 100 year flood areas which include the highpoints of the neighborhood, yet exclude others which are at lower elevation yet bordering the flood plane. As such, I can not support reckless changes that have no regard for the negative impact upon property owners.

Further specific information must be provided to all effected property owners before these changes are released as public record and potentially harm values and increase insurance costs. Holding two public meetings in remote locations is unsatisfactory. It is no wonder public trust of government is at an all time low!"

MAP ATTACHED: Figure 1. Ferguson.

RECOMMENDATION: Revise Zone A for Scriber Creek as part of a future map update.

2010-10-28

Mark Wolken

"Over the last couple of days I have become aware of some of the detail included in the revised FEMA flood maps for the Snohomish River. City of Everett staff alerted me to significant inconsistencies between elevations on properties in Everett as shown on LIDAR (and in many cases as confirmed through flood elevation certificates) and the flood elevations identified on the maps. These are not minor errors affecting a few acres here and there, but are applicable to literally hundreds of industrial properties in the City..."

RESPONSE: Produced maps of affected areas, referred to City of Everett.

11-3-2010

Phil & Peggy James, 30302 Hillis Rd., Arlington, WA 98223

Commenter wrote letter asking how logging affects Stillaguamish river flooding? Also would like to see breakdown of activities that harm the environment ie. 1. Clear cutting, 2. Comm. fishing, 3. Nets on the river, 4. Fish poaching, 5. Chemical poisions, 6. Development, 7. Road construction, 8. Dumping garbage.

RESPONSE: None to date.

11-3-2010

Anonymous

"This is very poor planning. There was no help to explain to me if my home is in the new floodplain. I watited in line for 30 min then left."

RESPONSE: No response possible.

11-9-2010

James Hammeren, 7128 Sexton Rd, Snohomish, WA 98290, 425-387-5943

"My house floods so often I don't even make damage claims each time. Once a year on average. My house should not have been built. The elevation certificate is wrong. My house is 5 feet lower than what it says. The builder falsified the document so the house could be built. No one believes me. I need help. What are my options?"

MAP ATTACHED: Figure 2. Hammeren

NOTE: David Wilson has discussed potential mitigation options with Mr. Hammeren. As a post-FIRM home the property is not high on FEMA's list for mitigation assistance.

11-9-2010

Roger Finley, 32319 Mann Rd.

"FEMA spend time & money in projects preventing floods, dams & dredging. Save taxpayers money. Good for everybody!"

RESPONSE: No response requested.

11-9-2010

Lowell Lorenz, 1647 Lake Mount Dr., Snohomish, WA 98290

"I live on the shore of Blackmans Lake. People who've lived there for 30 years said the homes have never been close to being flooded. The water does go past the dock sometimes. The houses are 10+ feet above the lake."

RESPONSE: No response requested.

11-15-2010

John Beucherie, 41107 Dorman Rd, Gold Bar, Wa 98251. 425-870-1048 beucherie@msn.com

Mr. Beucherie requested review of the proposed flood hazard for his property on the Skykomish River. Upon review it was found that the smoothing process used to generate the flood hazard area boundary resulted in his property being included in the floodplain inadvertently.

MAP ATTACHED: Figure 3. Beucherie.

RECOMMENDATION: Revise Zone AH boundary. Proposed Zone AH boundary attached:

ZoneAO_editt.shp

11-15-2010

Dan Nelson, Owner, Nelson Business Park, LLC., 7116 220th St. SW, Mountlake Terrace, WA 98043

Mr. Nelson advised of potential discrepancy in map for Edmonds area in a letter (Figure 4).

MAP ATTACHED: Figure 5. Nelson.

RECOMMENDATION: Revise A zone boundary, proposed Zone A boundary attached:

HallCr_zone_a_rev.shp

11-21-2010

City of Everett

"... In our 2005 FIRMs the area lying west of the fifteen-foot contour south of Ravenna Street in the Lowell neighborhood (along Larimer Road), is designated "Rural Flood Fringe District". This designation should be reflected on the DFIRM panels 53061C1030G, 53061C1040G, and 53061C1045G..."

RESPONSE: Worked with City of Everett to coordinate necessary changes with FEMA/STARR.

12-6-2010

Pat Ryan, Owner, North Creek Self Storage, 1627 208th St. SE Bothell, WA 98012.

"I noticed that according to the flood map on line, link provided below, that part of my complex, the office building with the address of 1609 208th St. SE Bothell, is located inside the flood zone. I believe this is incorrect. The map was clearly made on old data because SR 524 is shown as a 2 lane road with the old 2 lane bridge inplace. SR 524 was widened including the bridge over North Creek approximately 3 years ago. The new bridge was made with a much greater flow capacity than the old one as per the flood study done by Snohomish County in conjuntion with the City of Bothell and the State of Washington... For these reasons FEMA's and the county's flood map needs to be revised in this area as my property is not impacted by the flood zone as shown."

MAP ATTACHED: Figure 6. Ryan.

RESPONSE: WSDOT report retrieved & reviewed, comment appears valid, update Zone A boundary to reflect 128' contour immediately upstream of new bridge, proposed Zone A boundary attached: NorthCr_zone_a_rev.shp

12-27-2010

Keith Poindexter, 4231 204th ST NE, Arlington.

"...2 houses, my barn, and my outbuildings are all within the 53'+ elevation range, and I believe this is properly defined on the current county maps as well (the 52' is actually properly defined though for the BFE). The 52' elevation is some distance from my house, and since 1896 flood water have not moved beyond this boundary. 1990 was our worst flooding that my grandmother recalled, and she had been there since the late teens/early twenties. 2008 was definitely close, but the water did not rise as high on the driveway or towards the outbuildings (from the north - you can see a natural channel there)."

MAP ATTACHED: Figure 7. Poindexter.

RECOMMENDATION: Area above BFE is ~12 acres. This meets the criteria for showing an island in the Revise Zone AE boundary, proposed area of exclusion shown in following file: aoi_out.shp

1-1-2011

Scott Lange, 14025 363rd Ave SE, Startup

Concerned with revisions that show portions of Startup in new flood hazard area. Appeal to be filed by Mr. Lange on behalf of Startup residents.

RESPONSE: Held additional meeting in Startup, responded to info requests, contacted BNSF regarding certification of railroad. Upon further review, we agree that the original Corps Startup project warrants the Railroad grade as certified flood protection.

2-10-2011

Tom Bahr, 829 S. Machias Rd, Snohomish, WA 98290

Requested revision of flood hazard area to show footprint of house that is elevated above the Base Flood elevation as an island in the flood hazard area. Proponent provided survey data to support claim.

RESPONSE: Area is too small to meet FEMA's requirements for an 'island' in the flood hazard area.

2-11-2011

Romeo Gonyea, 17150 Tye St. SE, Monroe, WA 98272

Requested revision of flood hazard area to show more accurate boundary for French Slough flooding based on surveyed 35' contour. Proponent provided survey data to support claim.

RESPONSE: Claim appears valid, referred to City of Monroe.

X:\RSH\FloodMap\Countywide\DFIRM\Comments\2010_PFIRM\Appeal\AppxB_PublicComments\AppendixB_Public_Comments.docx 4

4-4-2011

French Slough Flood Control District submitted letter directly to FEMA requesting clarification of appeal period applicability to FSFCD and stay of appeal period based on Fugate letter.

RESPONSE: No response requested.

To: Snohomish County Public Works/Surface Water Management 3 Nov 2010 meeting

We appreciate the opportunity to come to the "public review" sponsored by Snohomish County Public Works/ Surface Water Management. Your letter to us as "flood risk" property and your article in the Nov 2, 2010 Herald made us aware of the continuing problem property located near rivers and creeks that may flood during a particularly rainy season.

I think it's important to continue to write articles for the Herald and other major media outlets frequently so the public can become more aware of environment issues that affect this beautiful Snohomish county with its farmlands, rivers, lakes and mountains. Using the many media outlets such as newspapers, television, internet and radio are all important communication tools.

We want everyone to be aware how to keep our lands and water healthy and to be reminded frequently about it. It seems that we get great coverage when areas get flooded, roads are washed out, the fishing diminishes or a dam breaks. Then, information output slows down.

In the Herald article, the mapping consultants used topography, weather and hydrologic date not available 20 years ago. I would assume that included in the research was major logging or clear cutting, housing developments that increase surface water run off, and other issues that affect the flooding other than weather.

For instance, if a company or private party clear-cuts 100 acres in the Stillaguamish water shed, how do we factor that into increased water flowing into the river for next big rainy season? If some major clear cut takes place, or a housing development is built can the public be informed in simple language how that might affect river flooding?

Is it possible to see a breakdown of the activities by percentage of what harms the specific areas of the environment? For example: 1. Clear cutting 2. Commercial fishing 3. Nets on the river 4. Fish pouching 5. Poisons from chemicals 6. Commercial and private buildings 7. Paved roads 8. Dumping garbage.

We realize this "keeping the environment" healthy is complicated. But keeping us, the public, frequently informed and aware can leads to better practices.

Phil James Peggy James 30302 HillisRd. Arlington, Wa. 98223 360 435 2547

Pror	perty Owner/Renter	
	Name	
	Street Address	
3.	In what year was the structure built?	
4.	In what year was the structure built? Do you have a mortgage?	
5. I	Do you have flood insurance?	
		0
Prop	erty Location Identification Table	
	Building Location	
	a. Name of Community	Initial FIRM Date
	b. Current Effective FIRM : Flood Zone	Base Flood Elevation (BFF)
	c. New Preliminary DFIRM: Flood Zone	Base Flood Elevation (BFE)
	d Insurance Table	
<u>-loo</u>	- mounding range	
	Flood Insurance Comments	
	Flood Insurance Comments	
	Flood Insurance Comments	
7. F	lood Insurance Comments	
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comments received and forward them the FEMA Region 10 Support Center.

Property Owner/Renter
1. Name James themeres
2. Street Address 712 & Sexton Rd Shahamsh Wa 98090
3. In what year was the structure built? 1999
4. Do you have a mortgage? <u>Yes/No</u>
5. Do you have flood insurance? <u>Yes/No</u>
6. Has your house been substantially improved or damaged since built? $\sqrt{\frac{8}{2}}$
Floods 12/99, 11/,96,
Property Location Identification Table (elevations in NAVD 88)
7. Building Location
a. Name of Community Initial FIRM Date
b. Current Effective FIRM : Flood Zone Base Flood Elevation (BFE)
c. New Preliminary DFIRM: Flood Zone2 Base Flood Elevation (BFE)
·
Flood Insurance Table
8. Flood Insurance Comments
My house Floods So often I don't even make
Exercise Claims each time. Once a year on averge
My house should not have been built the elecation
contificate Is wrong. My backe is 5 feet lower than
hat It says the buthor falsified the document so the house
could be built. No one bolivies me I need help what
Preliminary Flood Insurance Rate Maps
9. Technical Comments with Supportive Data

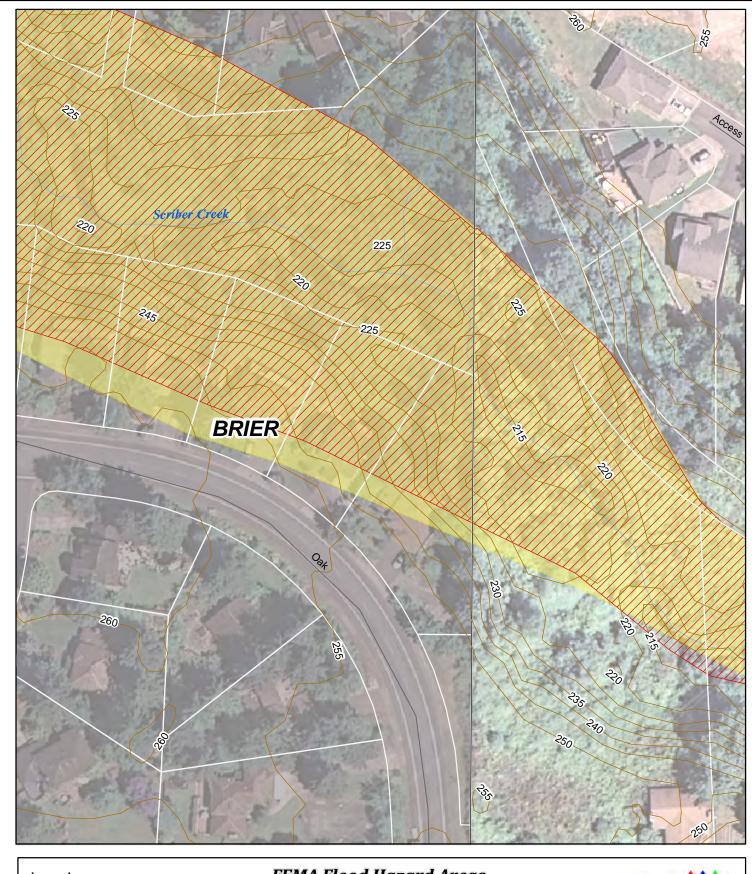
Submit comments to your community. Your community will bundle all the comments received and forward them to the FEMA Region 10 Support Center.

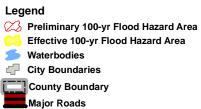
Property Owner/Renter
1. Name Roser Finiter
2. Street Address 323/9 Mean Red
3. In what year was the structure built? 37 phose borned
4. Do you have a mortgage? Ves No
5. Do you have flood insurance? Yes/No
6. Has your house been substantially improved or damaged since built? Yes/No; if yes, when: 65?
Property Location Identification Table (elevations in NAVD 88)
7. Building Location
a. Name of Community Initial FIRM Date
b. Current Effective FIRM : Flood Zone Base Flood Elevation (BFE) 133
c. New Preliminary DFIRM: Flood Zone Base Flood Elevation (BFE)
Flood Insurance Table
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Preliminary Flood Insurance Rate Maps
9. Technical Comments with Supportive Data

Submit comments to your community. Your community will bundle all the comments received and forward them to the FEMA Region 10 Support Center.

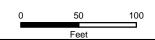
Property Owner/Renter
1. Name Lowell Loverz
2. Street Address 1647 Lake mount Dr Snohomish WAR 98290
3. In what year was the structure built? Est 1988
4. Do you have a mortgage? <u>ves/No</u>
5. Do you have flood insurance? Yes/No
6. Has your house been substantially improved or damaged since built? Yes/No; if yes, when:
Property Location Identification Table (elevations in NAVD 88)
7. Building Location
a. Name of Community City of Sno howish Initial FIRM Date
b. Current Effective FIRM: Flood Zone Base Flood Elevation (BFE)
c. New Preliminary DFIRM: Flood Zone Base Flood Elevation (BFE)
Flood Insurance Table
8. Flood Insurance Comments
I live on the shove of Blackmans Lake, People who've
lived there for 30 years said the homes have never been close to
I live on the shore of Blackmans Lake, People who've lived there for 30 years said the homes have never been close to being flooded. The water loes go past the lock sometimes.
The house's are 10+ feet above the lake.
Preliminary Flood Insurance Rate Maps
9. Technical Comments with Supportive Data
3. Technical Comments with Supportive Data

Submit comments to your community. Your community will bundle all the comments received and forward them to the FEMA Region 10 Support Center.

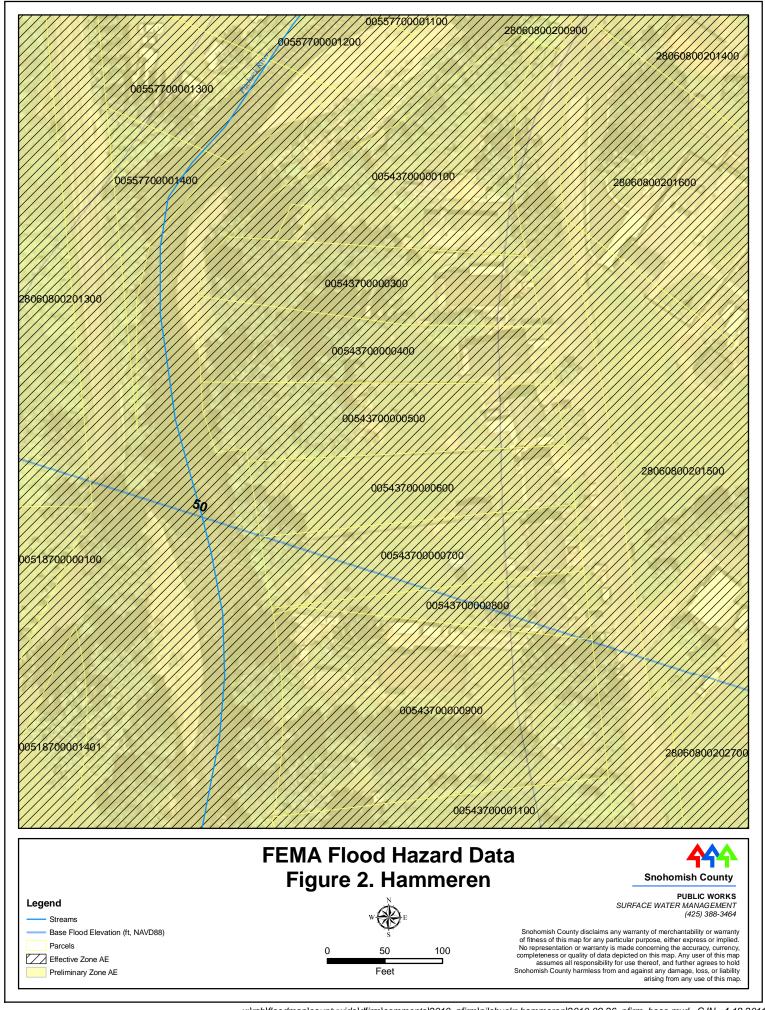


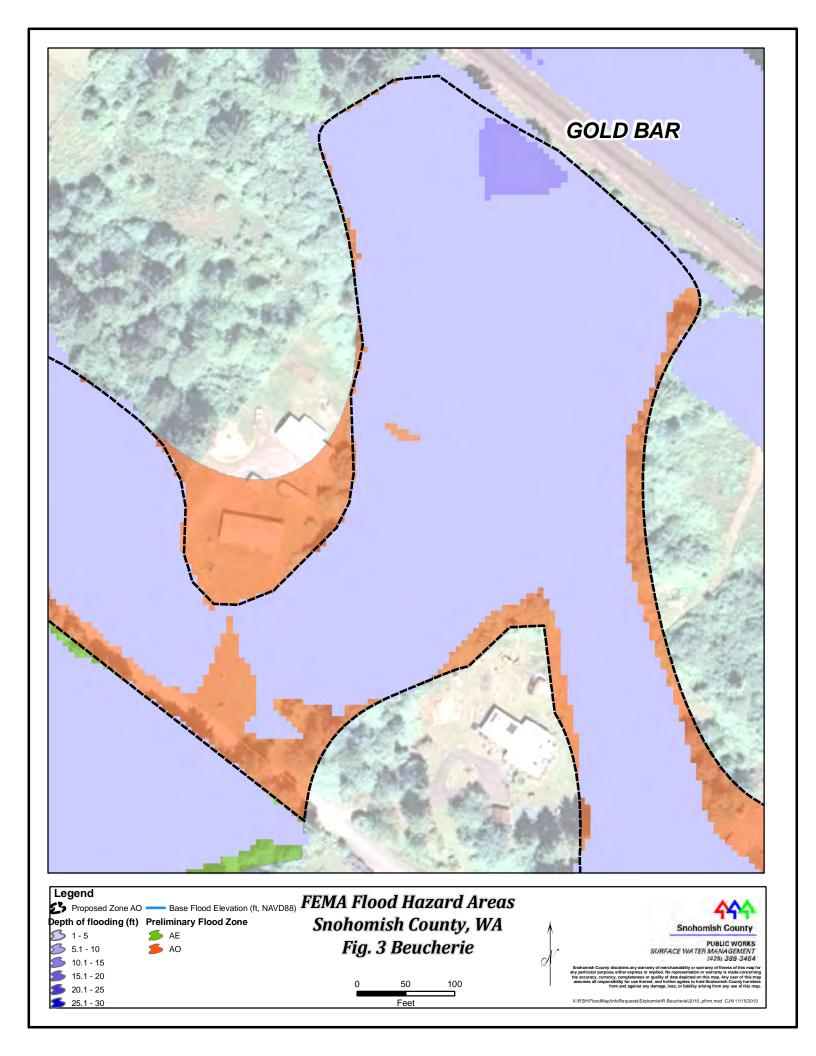


FEMA Flood Hazard Areas Snohomish County, WA Figure 1. Ferguson









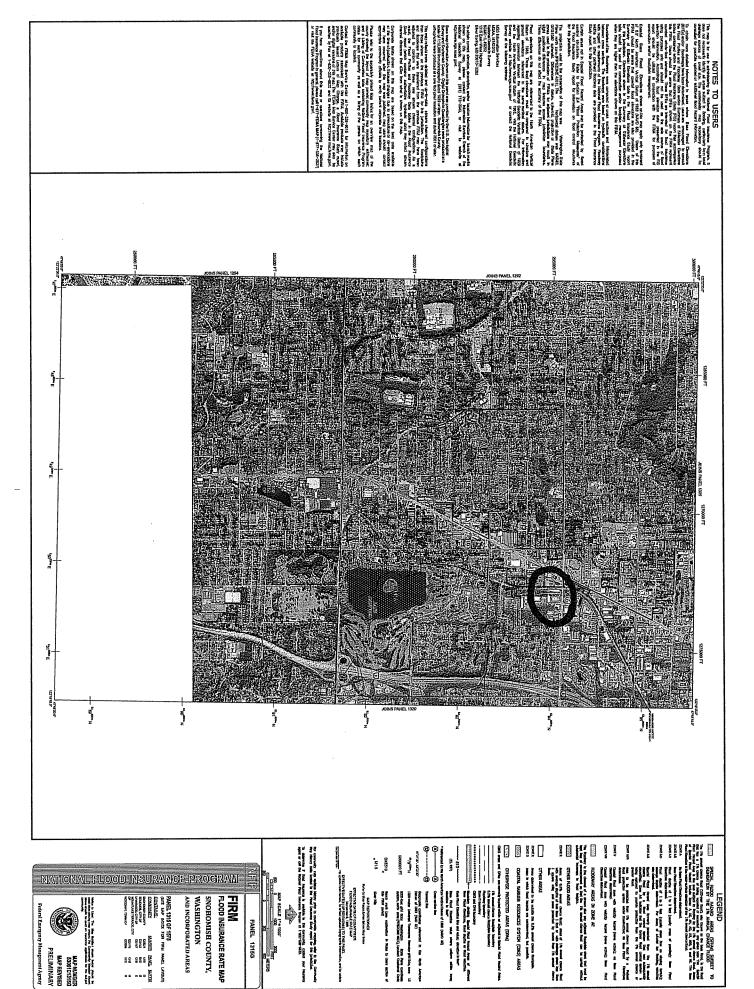
NELSON BUSINESS PARK LLC

Chris,

I' am sorry I was not able to attend the meeting in Monroe Thursday. Enclosed are photos and maps of discussed flood area discrepancy. The photo was taken during the last flood in 2007 December. The photo was taken facing north east toward entry. The map enclosed shows where the actual flood waters go. I don't have any mortgage issues. I just want to make sure you get it right. Call or email with questions. 206 718 0611

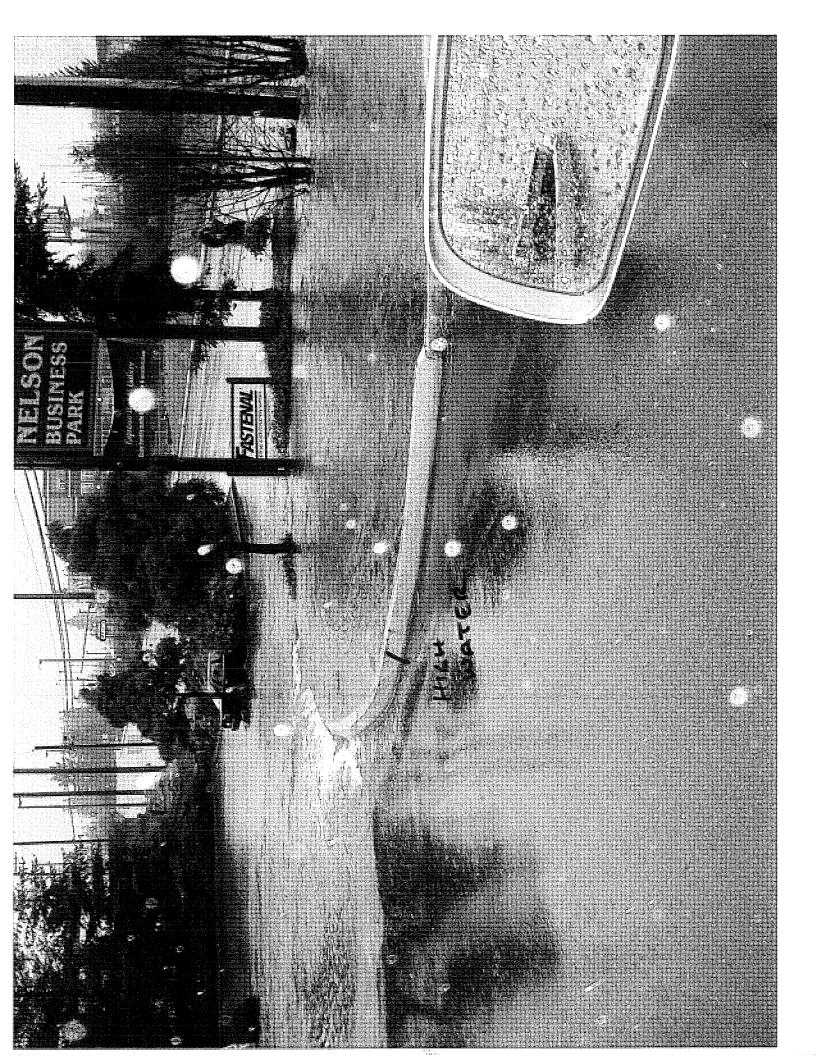
Thanks,

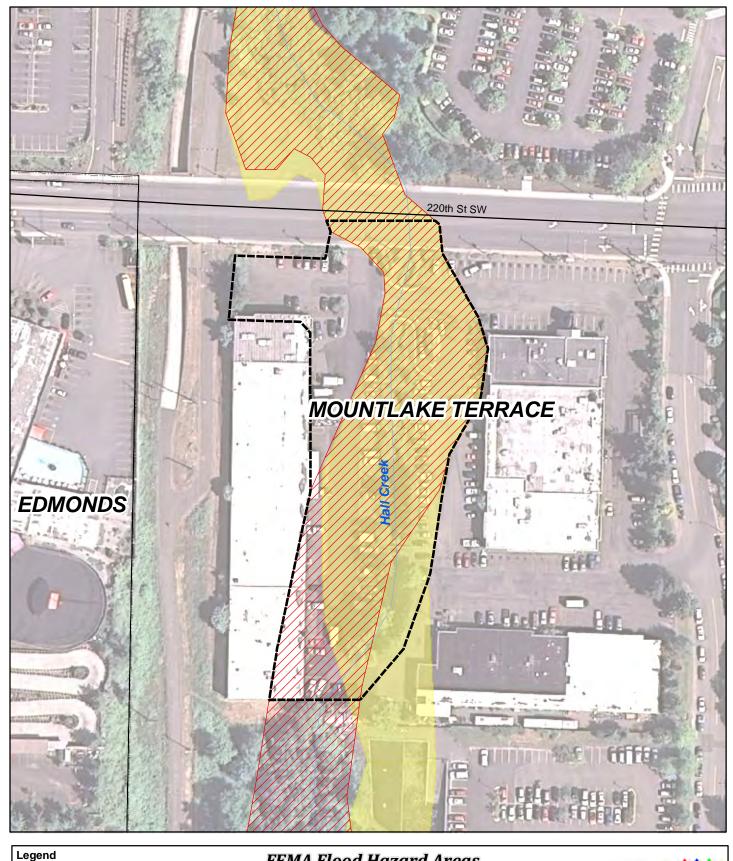
Dan Nelson



HAP REVISED

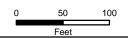




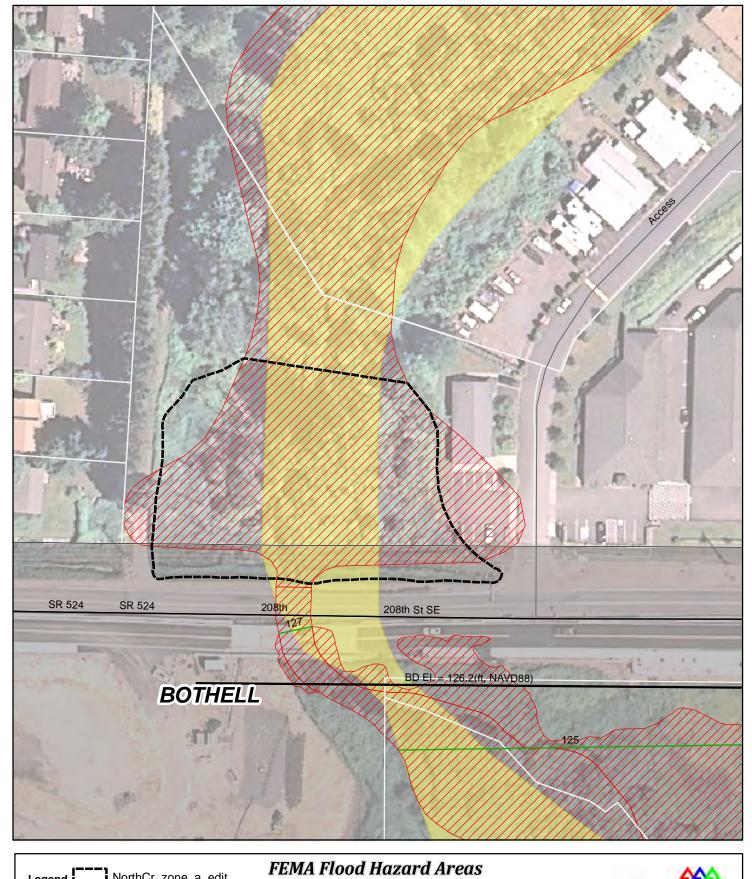


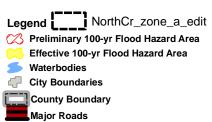


FEMA Flood Hazard Areas Snohomish County, WA Fig. 5 Nelson

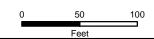




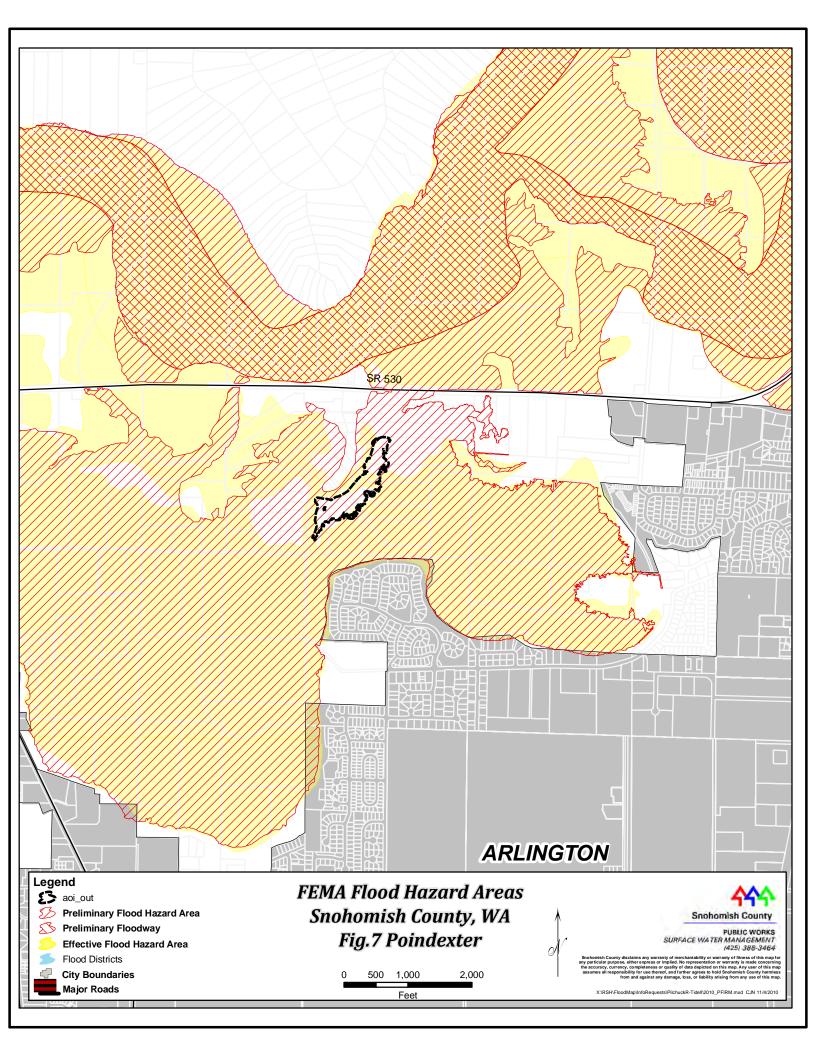




FEMA Flood Hazard Areas Snohomish County, WA Fig. 6 Ryan







Appendix C

Snohomish County comments regarding the revised preliminary DFIRM published 9-29-2010:

The following A Zones were omitted and need to be shown on the final DFIRM:

- Poplar Creek, tributary to Scriber Creek in Lynnwood / south Snohomish County
- Wagleys Creek, tributary to Skykomish River upstream of Sultan (Note: the Snohomish County watercourse layer diverges from mapped flood hazard area in several places indicating that revised mapping is needed for this flooding source)
- Armstrong Creek, tributary to Stillaguamish River north of Arlington

The following notes apply to specific panels listed below:

Panel	Revision	
708	Quilceda Creek is incorrectly labeled Quilceda River in two places.	
	The label for Allen Creek flooding is missing in the SE corner of the panel.	
710	Limit of Detail Study (LODS) line for Ebey Slough flooding is missing where Marine Drive crosses Quilceda Creek.	
738	Remove thin black line inside SFHA that appears to demarcate Lake Stevens shoreline – could be mistaken as Zone D boundary from legend.	
739	Remove thin black line inside SFHA that appears to demarcate Lake Stevens shoreline - could be mistaken as Zone D boundary from legend.	

AE Zones that need to be revised:

• Area on North Fork Stilly identified where mapping needs to be extended across the highway:

X:\RSH\FloodMap\Countywide\DFIRM\Comments\2010 PFIRM\NF Stilly\2010 PFIRM 8x10.pdf

Profile plots that need to be revised:

• P104 for SF Stillaguamish River, cross section label BH repeated.